

For Research Use Only

INPP5E Recombinant antibody

Catalog Number:82689-3-RR



Basic Information

Catalog Number: 82689-3-RR	GenBank Accession Number: BC028032	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 56623	CloneNo.: 1E7
Source: Rabbit	UNIPROT ID: Q9NRR6	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	Full Name: inositol polyphosphate-5-phosphatase, 72 kDa	
Immunogen Catalog Number: AG30305	Calculated MW: 644 aa, 70 kDa	
	Observed MW: 64-66 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : Starvation treated hTERT-RPE1 cells,
Species Specificity: human	

Background Information

INPP5E(72 kDa inositol polyphosphate 5-phosphatase) converts phosphatidylinositol 3,4,5-trisphosphate (PtdIns 3,4,5-P3) to PtdIns-P2. In mouse, highest protein expression was in brain, heart, and testis, with lower expression in thymus and lung, and very little expression in kidney, spleen, and liver(PMID:10764818). Defects in INPP5E are the cause of Joubert syndrome type 1 (JBTS1) and mental retardation-truncal obesity-retinal dystrophy-micropenis (MORMS)(PMID:19668215). It has 2 isoforms with the molecular mass of 66 kDa and 70 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

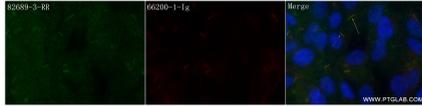
For technical support and original validation data for this product please contact:

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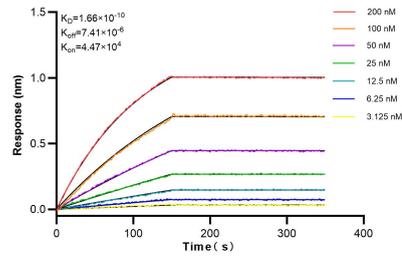
E: proteintech@ptglab.com
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Starvation treated hTERT-RPE1 cells using INPP5E antibody (82689-3-RR, Clone: 1E7) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), Acetyl-Tubulin (Lys40) antibody (66200-1-Ig, Clone: 7E5H8, red).



Biolayer interferometry (BLI) kinetic assays of 82689-3-RR against Human INPP5E were performed. The affinity constant is 0.166 nM.